

the second module is further configured to:

- retrieve first battery data of the first battery type from the memory;
- retrieve second battery data of the second battery type from the memory;
- evaluate the first device data, the second device data, the first battery data, and the second battery data;
- assign the first device to a first energy deficiency level based on the evaluation, wherein the first energy deficiency level indicates a first energy deficiency; and
- assign the second device to a second energy deficiency level based on the evaluation, wherein the second energy deficiency level indicates a second energy deficiency less than the first energy deficiency level;
- generate a first control signal based on the assignment of the first device to the first energy deficiency level, wherein the first control signal is effective to control the first switch;
- generate a second control signal based on the assignment of the second device to the second energy deficiency level, wherein the second control signal is effective to control the second switch;
- send the first control signal to the third module; and
- send the second control signal to the third module.

**15.** An energy controller effective to control a distribution of energy to a first device and to a second device, the energy flow controller comprising:

- an energy source configured to store the energy;
- a first interface effective to connect the first device to the energy source, the first interface being configured to receive first device data from the first device, wherein the first device data is effective to indicate a first energy consumption by the first device, and the first device data relates to a first current energy quantity of the first device;
- a second interface effective to connect the second device to the energy source, the second interface being configured to receive second device data from the second device, wherein the second device data is effective to indicate a second energy consumption by the second device, and the second device data relates to a second current energy quantity of the second device;
- a processor configured to be in communication with the first interface and the second interface;
- a first switch configured to be in communication with the first interface and the processor;
- a second switch configured to be in communication with the second interface and the processor;
- the processor being configured to:
  - control the first switch based on the first device data and second device data, to allow a first transmission of first energy from the energy source to the first device; and
  - control the second switch based on the first device data and second device data, to interrupt a second transmission of second energy from the energy source to the second device.

**16.** The energy controller of claim **15**, wherein the processor is further configured to: compare the first device data with the second device data:

- assign the first device to a first energy deficiency level based on the comparison of the first device data with

the second device data, wherein the first energy deficiency level indicates a first energy deficiency;

generate a first control signal based on the assignment of the first device to the first energy deficiency level, wherein the first control signal is effective to control the first switch;

assign the second device to a second energy deficiency level based on the comparison of the first device data with the second device data, wherein the second energy deficiency level indicates a second energy deficiency less than the first energy deficiency;

generate a second control signal based on the assignment of the second device to the second energy deficiency level, wherein the second control signal is effective to control the second switch;

control the first switch with use of the first control signal; and

control the second switch with use of the second control signal.

**17.** The energy controller of claim **16**, wherein the processor is further configured to:

in response to the assignment of the first device to the first energy deficiency level, determine a first difference between a full energy quantity of the first device and the first current energy quantity of the first device;

in response to the assignment of the second device to the second energy deficiency level, determine a second difference between a threshold energy quantity of the second device and the second current energy quantity of the second device;

determine a first amount of the first energy for the first device based on the first difference; and

determine a second amount of second energy for the second device based on the second difference.

**18.** The energy controller of claim **16**, wherein the second interface is further configured to receive third device data from the second device, wherein the third device data is effective to indicate a third energy consumption by the second device, and the third device data relates to a third current energy quantity of the second device, and the processor is further configured to:

compare the first device data with the third device data; assign the second device to the first energy deficiency level based on the comparison of the first device data with the third device data;

in response to the assignment of the second device to the first energy deficiency level:

generate the first control signal to activate the first switch to allow the first transmission of the energy from the energy source to the first device; and

generate the second control signal to activate the second switch to allow the second transmission of the energy from the energy source to the second device.

**19.** The energy controller of claim **15**, wherein the processor is further configured to:

generate a request for a discharged energy from the second device;

send the request to the second device;

receive the discharged energy from the second device; and transmit the discharged energy to the first device.

**20.** The energy controller of claim **15**, wherein the first device data is further effective to indicate a first battery type of a first battery of the first device, the second device data